

## LOCAL NEWS.

No Advertisers.

Nearly 15 thousand copies of the Republic are circulated among the floating population every day, besides the large number served to regular subscribers. Advertisers will take no advertising.

### ANNOUNCEMENTS

CANTERBURY HALL, had a crowded house again last night, and the performance, we think, was one of the best ever given at this popular place. To-night the programme is "Dinner and歌謡." The price is \$1.00. At 2 o'clock, a grand matinée is offered for ladies and children. The matinées given at the Canterbury are very popular with the ladies, and they may be, for they are conducted in a quiet, parsonic style, while the music is the technicalities of chemical science with the practicalities of every day life; rendering all the understanding of an ordinarily attentive student of chemistry or practical common sense.

The first prominent point noticed was the assumed fact that it has hitherto generally been thought sufficient to account for the ponderable constituents of body, without any regard to its imponderable elements. He introduced the subject in a quiet, simple manner, pointing out the various parts of the body, written in a clear, perspicuous style, while his illustrations of the practicalities of chemical science with the practicalities of every day life, rendering all the understanding of an ordinarily attentive student of chemistry or practical common sense.

District has just been ordered into united service at their own earnest and repeated request. Not only the offices, but seven hundred of the rank and file have sent a written petition to the War Department, in answer to which they have received the welcome affirmative answer.

**A Wandering Lieutenant.**  
Last night a meeting of the Twenty-ninth New York Regiment, composed of men who are the descendants of the "exhaler," found his way into the kitchen of Mrs. Hough's boarding house, on Pennsylvania Avenue. He was accompanied by a large Newfoundland dog. The lady's husband had just left effectually. When chemist informed the master that he was the same person who had caused the consternation of the body, he changed his coat; enter into his room, water, and steam were not chemically the same.

He dwelt mainly on the chemical process of fermentation, and its effects upon living organism, showing how, in animal life, it changes the dead into living forms, and, by the fermentation of dross, food is made of strength, and strength of food. Yeast, in this case, was a vegetable, was described, and its scientific history noted. In the case above, he said fermentation consisted in the breaking up of the sugar and the growth of the yeast plant; the result of the action of the yeast plant; the carbon dioxide, hydrogen, oxygen, and carbonic acids, which are given off, and also alcohol and water.

He then illustrated the building up or growth of the yeast, showing its wonderful structure, its yeast cells being but one-seventhousandth of an inch in diameter. Very naturally, he gilded from yeast bread, and an explanation was given of the chemical action of yeast. There was ferment, leavened bread, and so on, bread, aerated bread, which last was a kind of unleavened bread. Flour is composed of starch, gluten, gum, bran and water. The starch is broken into sugar by the yeast or ferment, the sugar into acid, and also alcohol, and water.

Buckwheat cakes, raised with dough prepared for twenty-four hours, were frequently in this second stage of fermentation, and therefore unwholesome. The yeast should be fresh enough to be used by the fermenter, and the decay, is considerably less than the barrel. Alum is much used, there to make up for this loss by adulteration, by its power to absorb water, and thus increase the weight, destroying the phosphates, and developing a tasteless mass.

There is no such dough, in addition to yeast, and hence much worse than yeast, the decay having proceeded further. The baking suspends the decay, but does not entirely restore the decayed elements. Of course, the yeast is destroyed, and the mold and saturated bread, the best and poorest made. This last is simply sour, water, and salt, loaded under pressure with carbonic acid. The portion of water in wheat he gave as from 14 to 14 per cent. In this country, the yeast is another, that having the least water. At the close of the essay, a short discussion of the principles involved gave increased interest to the meeting.

### Meeting of the Scientific Association.

There was a well-attended meeting, when Washington Scientific Association, Inc., organized, met at the residence of Dr. S. L. Lovett, President of the Association, at which Dr. S. L. Lovett, President of the Association, read a paper on "Correlation and Conservation of Forces in Fermentation." We heard but little of the subject, which was written in a clear, perspicuous style, while his illustrations of the practicalities of chemical science with the practicalities of every day life, rendering all the understanding of an ordinarily attentive student of chemistry or practical common sense.

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**WILLIAM'S HALL.**—It affords us great pleasure to announce the appearance of that superb soprano, Madame Henry C. Watson, who has rendered her most delightful services to the Philharmonic Society, and the citizens of Boston, who have made her appearance on Thursday evening, on which occasion she will be assisted by a brilliant corps of artists, consisting of Mr. S. B. Mills, Mrs. E. A. Drummond, Mr. J. R. Thomas, and Miss Nina Foster. She is known to the public as the most lovely of voices, and her appearance on the occasion of interest to all and hear this grand combination of melody and art. Miss Nina is a wonder in herself, as an actress, so young, so beautiful, and so talented.

KUNKEL'S OPERA HOUSE.—Old Fellow's Hall continues to draw crowded houses by means of their intimate and laughter-provoking troupe. Burlesque, farce, comedy, music, madrigals, songs, and everything else which is calculated to drive away dull care, may be seen and heard there.

FORD'S ATHENAEUM.—The engagement of the renowned Edwin Forrest, this week, is filling this delightful place of mirth and merriment. To night he appears in the popular play, "Jack and the Beanstalk," and to-morrow in "The Merchant of Venice." Let us all fail to see Forrest during his stay in this city, as it will be difficult to find opportunity, as it is said that he will withdraw from public after the present tour.

LADIES' FESTIVAL, BAPTIST CHURCH.—There is still an opportunity to aid the cause in which the church is engaged, and to help the poor.

BRIDGES.—The annual meeting of the Young Men's Christian Association, rooms, Pennsylvania Avenue, between Sixth and Seventh streets.

**The District Attorney.**

Availing ourselves of the courtesy of Major Wellington, the worthy superintendent of the District of Columbia Armory, we visited that establishment on Monday, and thinking that our readers might be interested in what we saw, we jotted down a few facts in regard to it.

From 500 to 550 persons are employed in the various departments of the establishment, nearly all of whom are females. These are engaged in the preparation of all kinds of ammunition for small arms, such as cartridges for rifles, muskets, &c.

The upper story of the building is used principally by the balloon corps of Prof. Lowe. Here is a large hall, having four large apartments, which are used for sleeping. There are nearly all in imminent danger of use. These have nearly all been removed recently, and a portion of the room is now occupied in making the small cylinders for the cartridges.

The second floor is where the muskets, accoutrements, &c., are stored. Here, in different parts of the room, may be seen the various paraphernalia of war, looking as heroic and innocent as any implements in an agricultural exhibition. Here may be found muskets, rifles, sabres, boxes, cartridges, and accoutrements, all metallic, indeed, all burnished and ready for immediate use.

The principal operation is carried on in the lower floor of the building. Here is where the cartridges are made, and the nimble fingers of the gender sex are brought into requisition in the various departments of the building.

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